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NOTICE OF ALLOWANCE AND FEE(S) DUE

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05/14/2004

MYERS BIGEL SIBLEY & SAJOVEC PO BOX 37428 RALEIGH, NC 27627

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	GURLE	Y, LYNNE ANN	
	ART UNIT	PAPER NUMBER	

2812 DATE MAILED: 05/14/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	T	· · · · · · · · · · · · · · · · · · ·	
	TIBING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/644,462	08/20/2003	Jin-Sung Chung	5649-1149	5022	

TITLE OF INVENTION: METHODS FOR FORMING METAL INTERCONNECTIONS FOR SEMICONDUCTOR DEVICES USING A BUFFER LAYER ON A TRENCH SIDEWALL, AND SEMICONDUCTOR DEVICES SO FORMED

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	08/16/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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3. ASSIGNEE NAME AND R PLEASE NOTE: Unless ar been previously submitted t (A) NAME OF ASSIGNEE	n assignee is identified belo to the USPTO or is being su	w, no assignee data will appe bmitted under separate cover.	ar on the patent. Inclusion of a Completion of this form is NO	ssignee data is only appropria T a substitute for filing an assi UNTRY)	te when an assignment has gnment.
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This collection of information obtain or retain a benefit by application. Confidentiality is estimated to take 12 minutes completed application form to case. Any comments on the suggestions for reducing this Patent and Trademark Offi 22313-1450. DO NOT SEN SEND TO: Commissioner for	is required by 37 CFR 1 the public which is to file governed by 35 U.S.C. 122 to complete, including gath to the USPTO. Time will amount of time you required burden, should be sent to cee, U.S. Department of D. FEES OR COMPLETE Patents, Alexandria, Virgin	311. The information is required and by the USPTO to proce and 37 CFR 1.14. This collect are in a collect and are in a collect and are in a collect are in a co	ired to ess) an estion is ng the vidual and/or r, U.S. irginia RESS.		
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RALEIGH, NC 27	7627			ART UNIT	PAPER NUMBER
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				DATE MAIL ED: 05/14/2004	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.